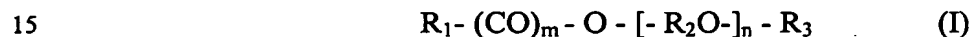


CLAIMS

1. A microencapsulated agrochemical composition comprising an aqueous dispersion of microcapsules having material encapsulated therein wherein the material encapsulated within the microcapsules comprises (a) an agrochemical (b) a water-insoluble, bioperformance-enhancing adjuvant for said agrochemical wherein said adjuvant has little or no surfactant properties and (c) a water-immiscible solvent in which both the agrochemical and adjuvant are soluble.
2. A composition according to claim 1 wherein the adjuvant has a Hydrophile / Lipophile balance of 9 or less.
4. A composition according to any of the preceding claims wherein the adjuvant has the formula
$$R-X \quad (I)$$
and alkoxyated derivatives thereof wherein R is a branched or straight chain alkyl or alkenyl group having from 12 to 20 carbon atoms and X is hydroxy; primary, secondary, tertiary or quaternary amine; amine oxide; phosphonate; phosphate; phosphate ester; thiol; sulphoxide; sulphone; sulphonate; sulphate; a heterocyclic moiety; glucoside; polyglucoside or alkylated glucoside; sarcosinate; betaine; amidoamine; carboxylic acid; amide; ester; ether sulphate; ether amine; ether carboxylate; and ether phosphonate.
5. A composition according to claim 4 wherein the group -X is alkoxyated provided the HLB of the adjuvant is not greater than 9.
6. A composition according to claim 5 wherein the alkoxy group contains from 2 to 4 carbon atoms.
7. A composition according to claim 4 having an average of 1 to 2 ethoxy groups per adjuvant molecule or from 1 to 20 propoxy or butyloxy groups per adjuvant molecule.
8. A composition according to any of claims 4 to 7 wherein R is an optionally alkoxyated branched or straight chain alkyl or alkenyl group containing from 16 to 20 carbon atoms.
9. A composition according to claim 8 wherein R is an optionally alkoxyated C₁₈ branched chain alkyl or C₁₈ alkenyl group.
10. A composition according to claim 9 wherein R is optionally alkoxyated oleyl or isostearyl.

11. A composition according to any of the preceding claims wherein the ratio of adjuvant to the agrochemical is from 1:50 to 200:1.
12. A composition according to any of the preceding claims wherein the agrochemical is a lipophilic agrochemical.
- 5 13. A composition according to any of the preceding claims wherein the water-immiscible solvent is diesel oil; isoparaffin; xylene; a propyl benzene fraction; a mixed naphthalene and alkyl naphthalene fraction; a mineral oil; white oil; castor oil; sunflower oil; kerosene; a dimethyl amide of caprylic acid; a chlorinated aliphatic or aromatic hydrocarbon; the acetate of the n-butyl, ethyl, or methyl ether of diethylene glycol; the acetate of the methyl ether of dipropylene glycol; methylethylketone; 10 isophorone; methyl or trimethylcyclohexanone (dihydroisophorone); hexyl or heptyl acetate; methyl oleate; octyl methyl cinnamate and mixtures of two or more thereof.
14. A composition according to any of the preceding claims wherein the adjuvant has the formula (II)



wherein R_1 is a C_{16} to C_{20} straight or branched chain alkyl or alkenyl group, R_2 is ethyl or isopropyl, n is from 8 to 30 and m is 0 or 1 and when R_2 is ethyl, R_3 is a C_1 to C_7 alkyl group and when R_2 is isopropyl, R_3 is hydrogen or a C_1 to C_7 alkyl group.